

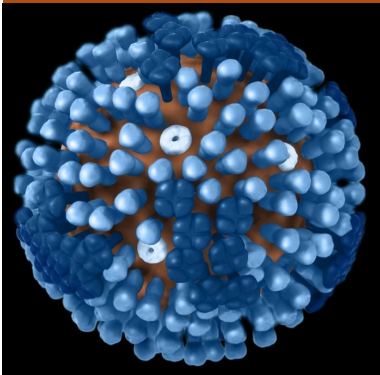
DAVIS COUNTY INFLUENZA REPORT



2017-18 Influenza Season
Week 16 / Week Ending 04/21/2018

SUMMARY

- ILI activity in Davis County rose to a *low/moderate* level during Week 16.
- One influenza-associated hospitalization was reported during Week 16.
- Influenza B virus is currently circulating, although influenza A virus is still present.
- The school absence rate is within the expected rate for this point of the influenza season.



Influenza-like Illness (ILI) is defined as fever (temperature of $\geq 100^{\circ} F [37.8^{\circ} C]$), cough, and/or a sore throat without a known cause other than influenza.

INFLUENZA ACTIVITY IN DAVIS COUNTY

In Week 16, influenza activity in Davis County returned to a *low/moderate* level. The average school absence rate (3.90) is below the expected rate for this point of the influenza season (3.95) (see Figure 1). One hospitalized-influenza case was reported this week (see Figure 2). Season-to-date, 201 hospitalized-influenza cases have been reported in Davis County. The influenza-like illness (ILI) rate (0.6%) saw a slight decline (see Figure 2).

Figure 1. Elementary School Absence Rate, Davis County, 2017-18, 2016-17, 5-Year Average

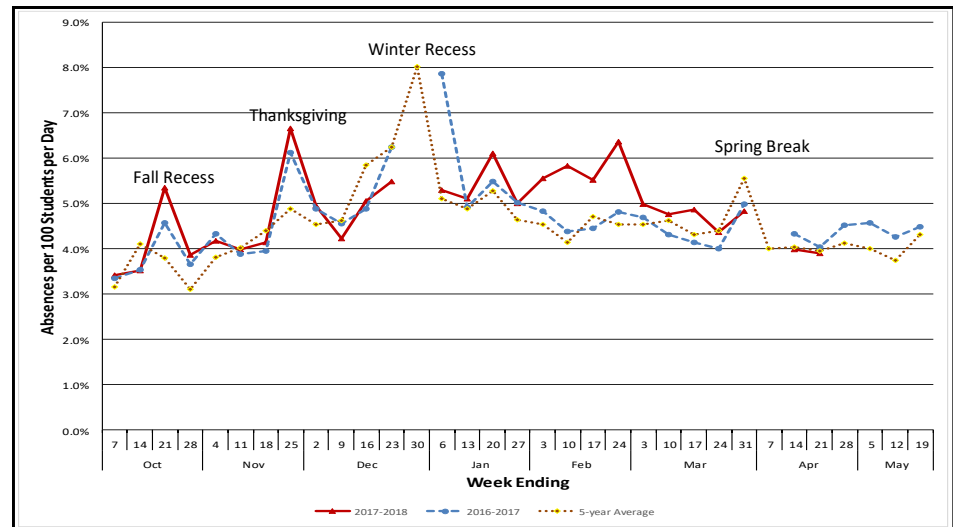
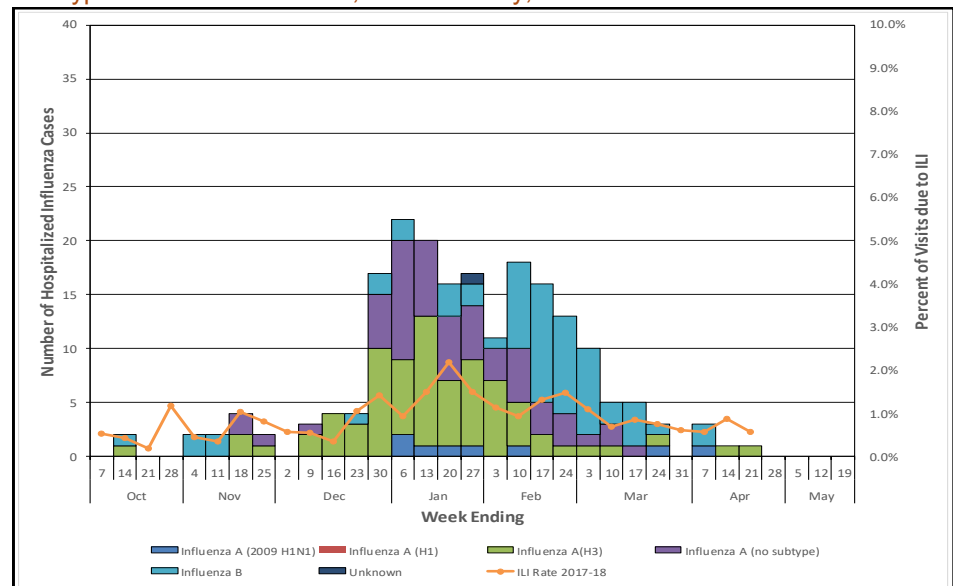


Figure 2. Influenza-Like Illness Visit Rates & Hospitalized-Influenza Cases, by subtype and admission date, Davis County, 2017-18



INFLUENZA ACTIVITY IN UTAH

Utah's influenza rate continued at a *minimal* level during Week 16, although two local health jurisdictions (Bear River and Davis) reported *low/moderate* ILI activity. The school absence rate (4.9) is below the expected rate for this point of the season. Nine hospitalized-influenza cases were reported this week, bringing the season's total to 2,125 cases.

Surveillance data for influenza testing in laboratories across Utah indicate that 22 specimens were positive for influenza during Week 16, a decrease from the previous week (35). The majority of recently circulating influenza viruses continue to be typed as influenza B (see Table 1).

Table 1. Influenza Positive Specimens Tested by Utah Laboratories, 2017-18

Positive Specimens by Type/Subtype	Current Week		Season-to-Date	
	Number	%	Number	%
Influenza A (2009 H1N1)	3	13.6%	400	3.8%
Influenza A (H1)	0	0.0%	1	0.0%
Influenza A (H3)	2	9.1%	2,383	22.8%
Influenza A (no subtype)	4	18.2%	4,037	38.6%
Influenza B	13	59.1%	3,642	34.8%
Total	22		10,463	

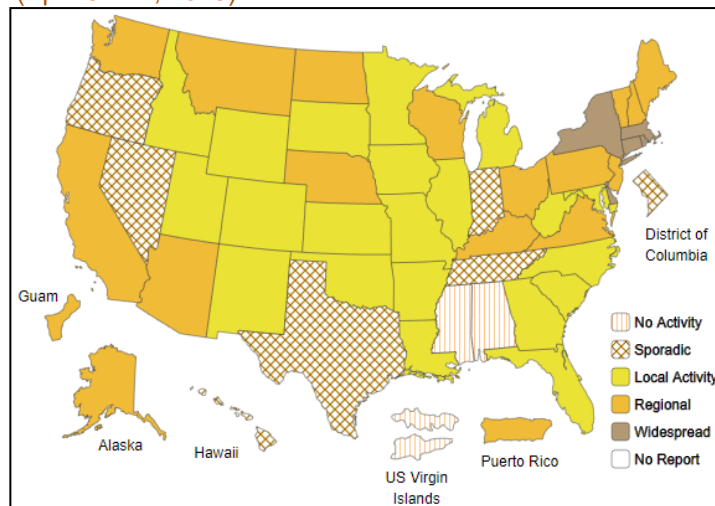
INFLUENZA ACTIVITY IN THE UNITED STATES

During Week 15, influenza activity is still declining across the United States. Five states reported *widespread* activity, 16 states reported *regional* activity, 21 states reported *local* activity (including Utah), six states reported *sporadic* activity, and two states reported no activity (see Figure 3).

Collaborating clinical laboratories across the United States reported that 10.9% of respiratory specimens tested were positive for influenza in Week 15, a decrease from the week before (12.8%). Of those, 34.3% were typed as influenza A and 65.7% as influenza B.

CDC characterized 1,731 influenza viruses collected by laboratories across the United States since October 1, 2017. Of these, 98.9% were similar to their respective components in the 2017-18 vaccine. CDC also continues to test samples for resistance against neuraminidase inhibitors such as oseltamivir, zanamivir, and peramivir. Ten of 969 (1.0%) viruses of influenza A (H₁N₁) were resistant to oseltamivir and peramivir. Antiviral treatment is recommended as early as possible for patients with severe illness or who require hospitalization.

Figure 4. Weekly Influenza Activity Estimates, Week 15 (April 8 - 14, 2018)



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The Influenza Report is published weekly on Thursdays during influenza season. To receive a copy of this report by email/fax, please contact Sarah Willardson at swillardson@co.davis.ut.us



VACCINE INFORMATION

CDC recommends that all persons older than 6 months of age receive an influenza vaccine.

Flu shots are available at Davis County Health Department at no out-of-pocket cost for those *with* contracted health insurance.

For those *without* insurance:

- Adults (18+ years) can receive the flu shot for \$30.
- Seniors (65+ years) can receive high-dose Fluzone® for \$42.
- Children and adolescents (< 18 years) can receive the vaccine for a \$5 fee.

For updates call Immunizations Hotline at (801) 525-5030.